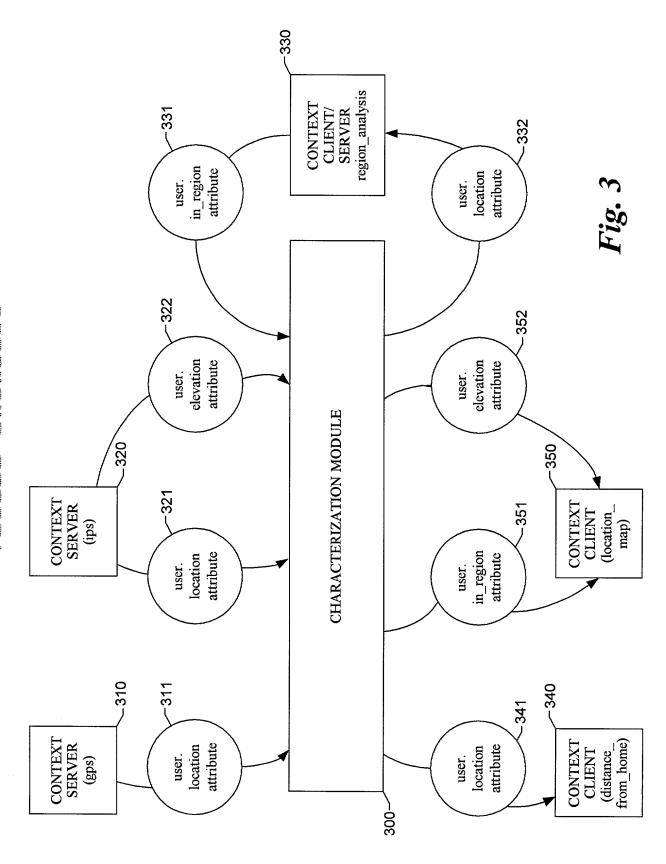


Fig. 2



•					context server table	7-400
	context server name	version	installation date	filename	request handler	2
I	401— gps	1	2/10/2000	gps.exe	(reference)	
7	402— ips	1	2/21/2000	ips.exe	(reference)	
\mathcal{T}	403 location_region_analysis	1	2/10/2000	l_r_a.exe	(reference)	
	411	412	12 413	414	415	15
			Fig. 4			

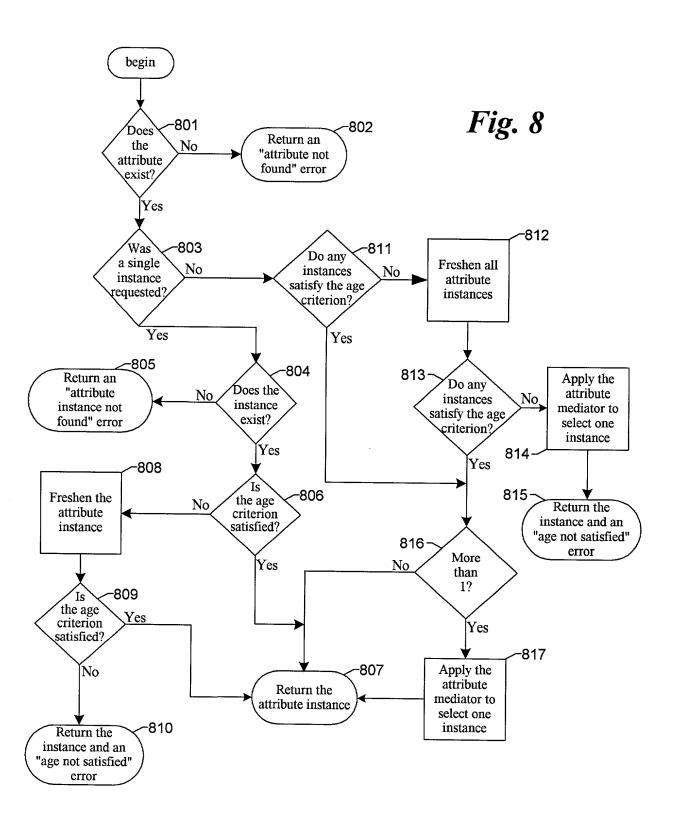
500						attribu	attribute instance table
	attribute name	context server name	value	uncertainty	timestamp	units	number of context clients consuming
501	user.location	sdg	47° 38.73° N, 122° 18.43° W	.00° 0	13:11:04.023 2/22/2000	degrees/minutes	2
505	user.location	ips	47° 38.745° N, 122° 18.424° W	0°.021°	13:11:01.118 2/22/2000	degrees/minutes	2
503/	user.elevation	ips	22	.5	13:11:01.118 2/22/2000	meters	1
504	user.in_region	location_region_ analysis	none	none	none	none	0
	-511	- 512	-513	-514	-515	-516	-517

Fig. 5

600		context client table
	context clent name	message handler
/109	601 location map	(reference)
602	602 distance_from_home	(reference)
603	603 region analysis	(reference)
	Fig. 6	. 6

700						attribu	attribute instance table
	attribute name	context server name	value	uncertainty	timestamp	units	number of context clients consuming
701~	user.location	gps	47° 38.73° N, 122° 18.43° W	.60° 0	13:11:04.023 2/22/2000	degrees/minutes	2
702	user.location	ips	47° 38.745° N, 122° 18.424° W	0°.021°	13:11:01.118 2/22/2000	degrees/minutes	2
703	user.elevation	ips	22	.5	13:11:01.118 2/22/2000	meters	_
704	user.in_region	location_region_ analysis	none	none	none	none	1
	_711		713	714	_715	716	_717

Fig. 7



attribute name context server name value uncertainty timestamp units number of context clients user.location gps 47° 38.73' N, 122° 18.43' W 0° .09' 13.11.04.023 degrees/minutes 2 user.location ips 47° 38.745' N, 122° 18.424' W 0° .021' 13.11.01.118 degrees/minutes 2 user.elevation ips 22.25 .5 13.11.06.565 meters 1 user.in_region region_analysis none none none 1	Γ						attribu	attribute instance table
gps 47° 38.73' N, 122° 18.43' W 0° .09' 13:11:04.023 degrees/minutes 2 ips 47° 38.745' N, 122° 18.424' W 0° .021' 13:11:01.118 degrees/minutes 2 ips 22.25 .5 13:11:06.565 meters 1 region_analysis none none none none 1 11 -912 -912 -916 -916 -916		attribute name	context server name	value	uncertainty	timestamp	units	number of context clients consuming
ips 47° 38.745' N, 12° 18.424' W 0° .021' 13:11:01.118 degrees/minutes 2 ips 22.25 .5 13:11:06.565 meters 1 region_analysis none none none 1 1 912 914 915 916	901		gps	47° 38.73° N, 122° 18.43° W	0°.09′	13:11:04.023 2/22/2000	degrees/minutes	2
user.elevation ips 22.25 .5 13:11:06.565 meters 1 user.in_region region_analysis none none none 1 _911 _912 _915 _916 _916		user.location	ips	47° 38.745° N, 122° 18.424° W	0°.021	13:11:01.118 2/22/2000	degrees/minutes	2
user.in_region region_analysis none none 1 _911 _912 _914 _915 _916		user.elevation	sdi	22.25	ζ.	13:11:06.565 2/22/2000	meters	
_ 912 _ 914 _ 915 _ 916	1	user.in_region	region_analysis	none	none	none	none	-
	-	-911	912	913	-914	-915	916	917

condition table ~1016 logical operator 1 comparison value ~1015 TRUE second logical parameter 1014 none _1013 first logical parameter user.in_region context client name ~1012 region_analysis condition name **_1011** in_region_true 1001 1000

Fig. 9

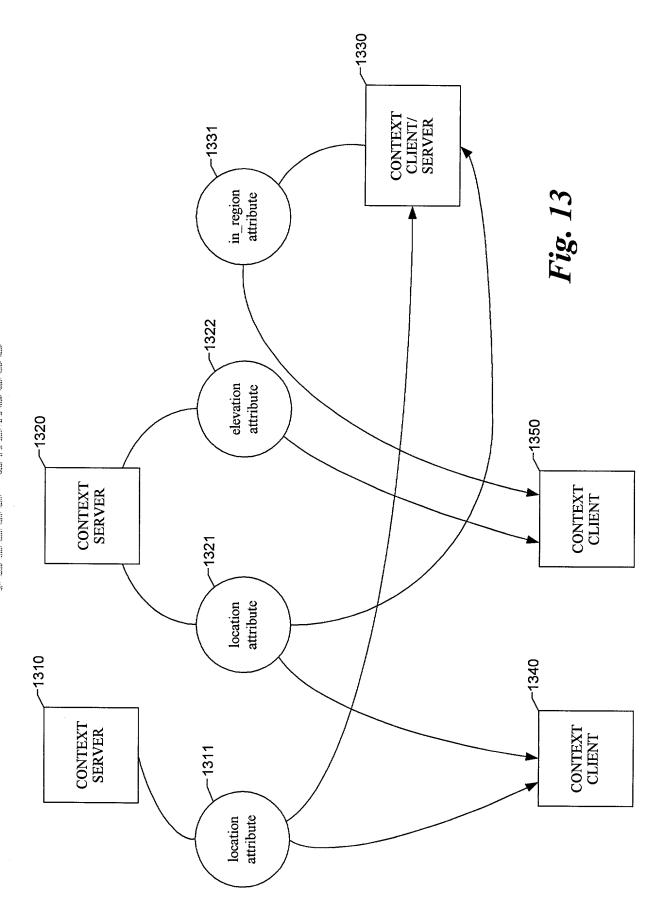
Fig. 10

1100 \							condition monitor table	nitor table
	condition monitor name	context client name	condition name behavior frequency	behavior	frequency	condition last evaluated	condition last trigger handler evaluated reference	stopped
1101/	region_boundary_ 1101crossed	region_analysis	in_region_true	TRUE or 30 FALSE	30	13:11:29.101 2/22/2000	(reference)	no
	_1111	_1112	_1113	-1114	4 _1115	15 -1116	5 -1117	1118

Fig. 11

							condition monitor table	nitor table
condit	condition monitor name	context client name	condition name behavior frequency condition last evaluated	behavior	frequency	condition last evaluated	trigger handler stopped reference	stopped
region_bc	oundary_	region_analysis	in_region_true	TRUE or 30 FALSE	30	13:11:59.101 (reference) 2/22/2000	(reference)	yes
	~1211	-1212	-1213	-1214	4 _1215	5 -1216	5 -1217	1218

Fig. 12



		attribute request table
a	ttribute name	context client name
01 user.location		distance_from_home
02 user.in_region		location_map
user.location [gps]	location_region_analysis
user elevation		location_map
	- 1411	1412

Fig. 14

User.	Diater and the state of
	Platform. (continued)
Desired_privacy_level	CPU.
Interruptibility	Load
Speed	Speed Fig. 15
Direction	Michiory.
Acceleration	Total_capacity
Availability.	Used
Cognitive_availability	Storage.
Tactile_availability	Total_capacity
Manual_availability	Used
Visual_availability	Connectivity.
Oral_availability	Connection_status
Auditory availability	Connection speed
Proximity. <item name="" or="" place=""></item>	Connection_type/device
Mood.	Connection activity
Happiness	Power.
Sadness	Power_source
Anger	-
Frustration	Power_level
Confusion	Environment.
	People.
Activity.	Nearest
Driving	Number_present
Eating	Number_close
Running	Local.
Sleeping	Time
Talking	Date
Typing	Temperature
Walking	Pressure
Location.	Wind_speed
Place_name	Wind direction
Latitude	Absolute humidity
Longitude	High_forecast_temperature
Altitude	Low_forecast_temperature
Room	People present
Floor	Ambient_noise_level
Building	Ambient light level
Address	- - -
Street	Days. <pre>previous or future>.</pre>
City	High_temperature
	Low_temperature
County	Precipitation_type
State	Precipitation_amount
Country	Place. < place name >. (same as Environment. Local)
Postal_Code	Application.
Destination. (same as User.Location.)	Mail.
Physiology.	Available
Pulse	New_messages_waiting
Body_temperature	Messages_waiting_to_be_sent
Blood_pressure	Phone.
Respiration	Available
Person. <name id="" or="">. (same as User.)</name>	In use
Platform.	On/off
UI.	Notification mechanism
Oral_input_device_availability	Call incoming
Manual_input_device_availability	Caller_ID
Tactile_output_device availability	Sound_recorder.
Visual_output_device_availability	Available
Auditory output device availability	Recording
4 AMMAROLY CONCOUNT MCYTON (LYCHICIDILLY	IVERTURINA

- 1) User Setting
 - a) Mental Context
 - i) Meaning
 - ii) Cognition
 - (1) Divided User Attention
 - (2) Task Switching
 - (3) Background Awareness
 - iii) Solitude
 - iv) Privacy
 - (1) Desired Privacy
 - (2) Perceived Privacy
 - v) Social Context
 - vi) Affect
 - b) Physical Situation
 - i) Body
 - (1) Biometrics
 - (2) Posture
 - (3) Motion
 - (4) Physical Encumberment
 - (a) Senses
 - (i) Eves
 - (ii) Ears
 - (iii) Tactile
 - (iv) Hands
 - (v) Nose
 - (vi) Nose (vi) Tongue
 - (b) Workload demands/effects
 - (c) Interaction with computer devices
 - (d) Interaction with people
 - (e) Physical Health
 - ii) Environment
 - (1) Time/Space
 - (2) Objects
 - (3) Persons
 - (a) Audience/Privacy Availability
 - (i) Scope of Disclosure
 - (ii) Hardware affinity for privacy
 - (iii) Privacy Indicator for User
 - (iv) Privacy Indicator for Public
 - (v) Watching Indicator
 - (vi) Being Observed Indicator
 - (4) Ambient Interference
 - (a) Visual
 - (b) Audio
 - (c) Tactile

2) Computer

- a) Power
- b) Configuration
 - i) User Input Systems
 - (1) Hand/Haptic
 - (a) Keyboard/Keystrokes

Fig. 16

- (2) Voice/Audio
- (3) Eye Tracking
- (4) Cursors
 - (a) Axis
 - (b) Resolution
 - (i) Selection
 - (ii) Invocation
 - (c) Accelerators
- ii) Output Systems
 - (1) Visual
 - (a) Resolution
 - (2) Audio
 - (a) Public/Private
 - (3) Haptic
- iii) External Resources
 - (1) I/O devices
 - (2) Connectivity
- c) Data
 - i) Quantity/State
 - ii) Urgency/Importance
 - (1) Use of Prominence
 - iii) Modality
 - iv) Sensitivity/Purpose
 - (1) Privacy Issues
 - (2) Use of Association
 - (3) Use of Safety
 - v) Source/Ownership
 - (1) Types
 - (a) User generated
 - (b) Other computers or people
 - (c) Sensor
 - (d) PC State
 - (2) Use of Association

